



## **BBI936AD**

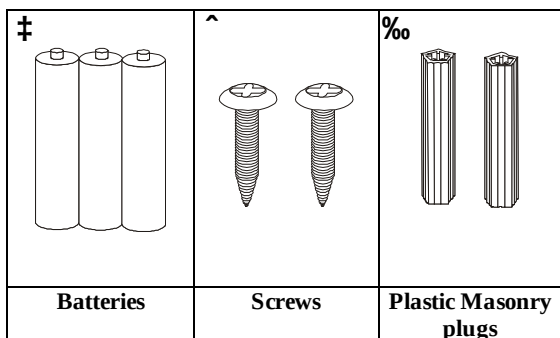
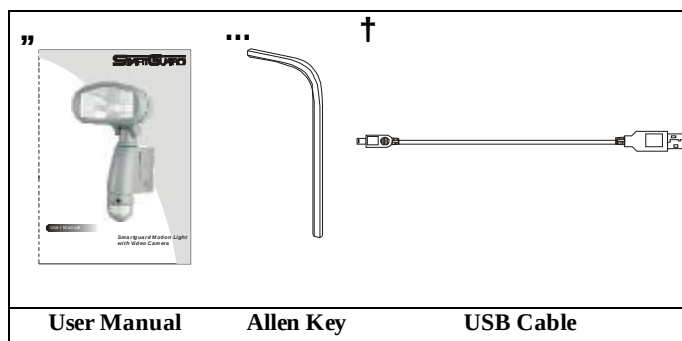
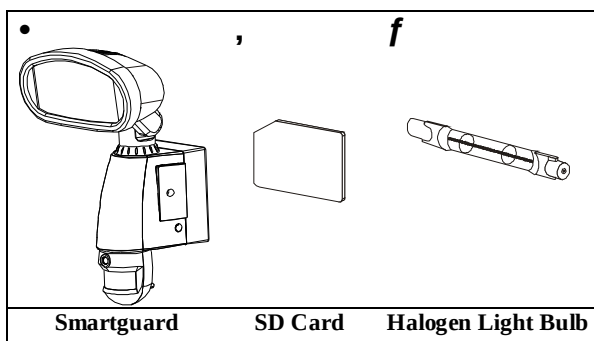
# **150W PIR FLOOD WITH CAMERA INSTRUCTION**

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## **Contents of packaging**

- ! Smartguard™ Motion Light with Video Camera
  - ! User Manual
  - ! 1M USB cable
  - ! 1 Allen key
  - ! 1pc **150W** halogen light bulb
  - ! 1G SD card
  - ! Accessory bag: 2pcs screws, 2pcs plastic masonry plugs, 3-1.5V “AAA” batteries.
- (User manual, USB cable and allen key are kept in one zip bag, please keep these accessories. )



# Smartguard™ Motion Light with Video Camera overview

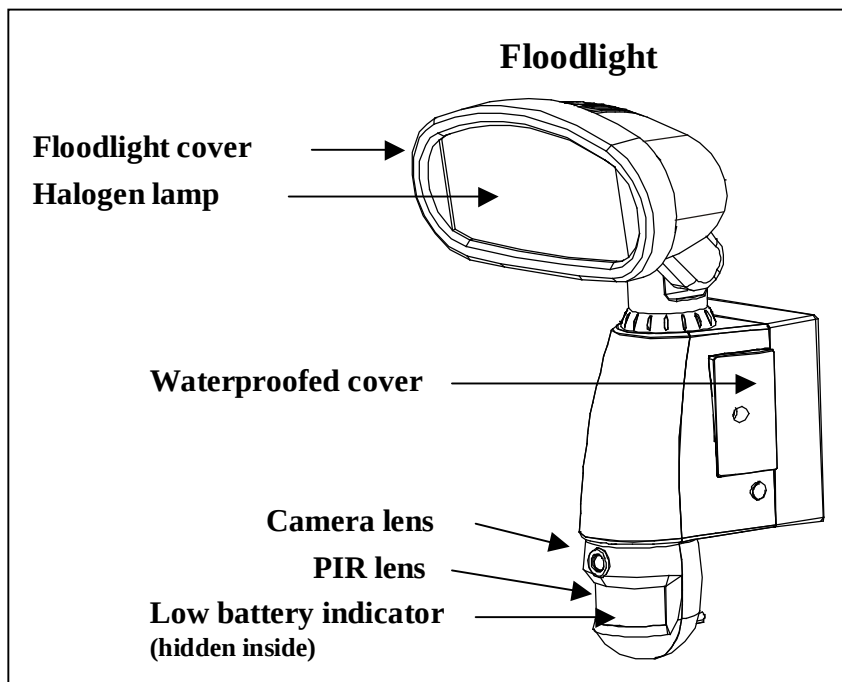


Fig. 1

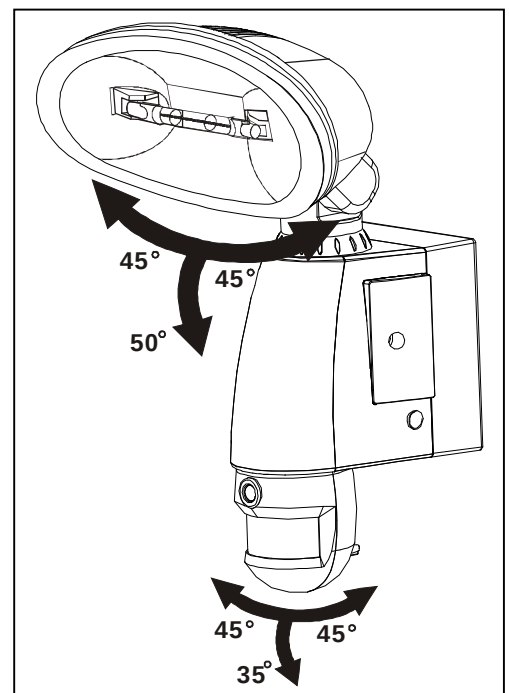


Fig. 2

## Step 1. Assembly

### 1. Install/replace the halogen lamp (see fig. 3)

- n** Make sure to unplug unit or turn off power first.
- n** Remove floodlight cover by unscrewing floodlight screws using a Phillips head screw driver.
- n** If replacing a bulb, take out the existing halogen light bulb (part no. **f**).
- n** Put in new 150 Watt maximum halogen light bulb. (part no. **f**)
- n** Replace floodlight cover tightening screws carefully.

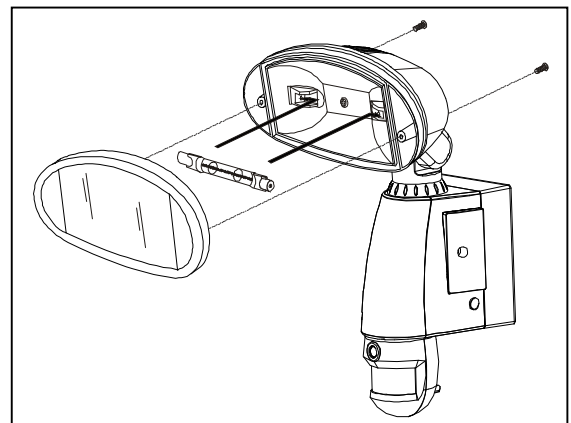
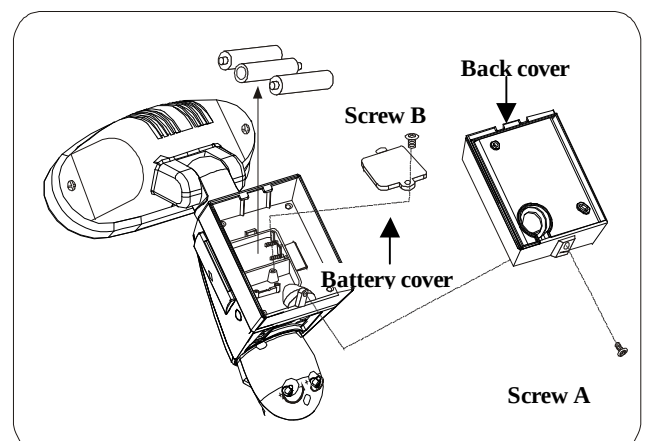


Fig. 3

### 2. Install/replace batteries (see fig. 4)

- n** Unscrew the screw A and remove back cover. Unscrew screw B and remove battery cover.
- n** Put the 3 provided “AAA” 1.5V batteries (part no. **‡**) into the battery compartment and make sure the polarity (- +) is aligned correctly.
- n** Replace battery cover and back cover,



tightening screws carefully.

**\* Note: Please change new batteries once a year, even if the batteries are still functioning.**

**\* Function of batteries: Provide power to complete**

**recording if power outage occurs during shooting; reserve date/time setting during power outage.**

## ***Step 2. Installing the Smartguard™ Driver on your computer***

**(This software is used to sync the date and time of your Smartguard™ Motion Light with Video Camera with that of your computer and allows you to review and save the video clips taken by your Smartguard™ product.)**

Attention! The software saved in the SD card (part no. , ) packaged with the Smartguard™ Motion Light with Video Camera is designed for Microsoft Windows only.

1. Place SD card (part no. , ) in SD card drive in your computer. If your computer does not come with an SD drive, a USB SD card reader is available at most retailers that carry computer accessories.
2. Look in My Computer and locate the SD card (part no. , ). Double click to open the SD external drive.
3. Double click the Smartguard™ driver program.
4. Follow the instructions on the installation screen that appears next to install the Smartguard™ driver and application program.
5. Restart windows.
6. If your computer doesn't run the installation program automatically, please click the "Start" button and choose "Run." Then browse your computer to find the file name under which you saved the Smartguard™ driver and click "Setup".

## ***Step 3. Set the Data and Time :***

**This will allow the security video taken by Smartguard™ to display the correct date and time it was taken.**

- n** Plug provided USB cable (part no. † ) into a USB port on your PC.
- n** Double click to execute the Smartguard™ program and click "Play." When the video is shown on the screen the setup is completed.  
(The time and date on the recorded video files will then be the same as on the computer)
- n** Close the program and remove USB cable (part no. † ) to complete the setup.

## ***Step 4. Insert/remove SD card (see fig. 5):***

- n** Unscrew the waterproofed cover using provided Allen key (part no. ...), then insert the SD card (part no. , ) until it automatically locks into place.
- n** If you need to remove the SD card (part no. , ), please press OFF button and take it out within 30 seconds.
- n** When LED light turns green, meaning SD card (part no. , ) is being read, do not remove SD card (part no. , ) or data may be lost.
- n** To remove SD card (part no. , ), pull out SD card (part no. , ) directly.
- n**

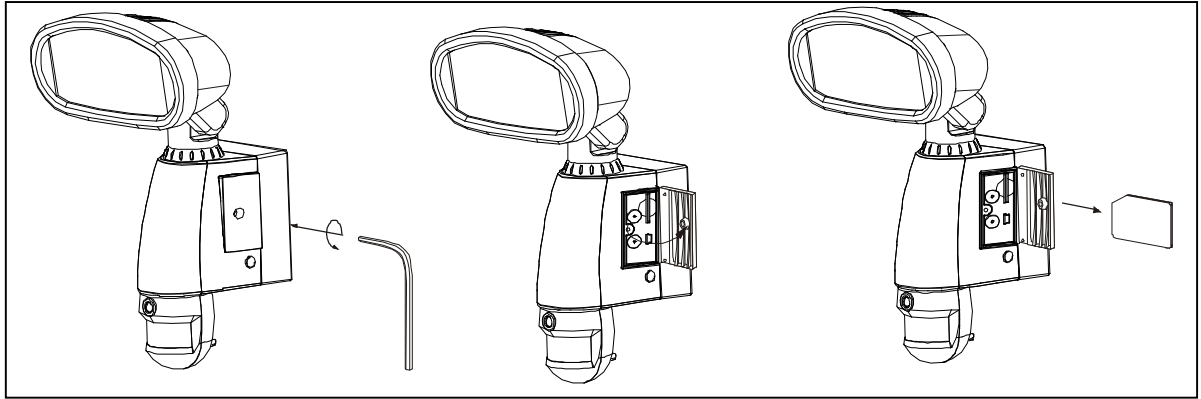


Fig. 5

## Step 5. Installing the Smartguard™ Motion Light with Video Camera

### IMPORTANT

IF IN ANY DOUBT ABOUT THE INSTALLATION OF THIS PRODUCT, CONSULT A QUALIFIED ELECTRICIAN

- This product must be grounded
- Do not mount the unit against inflammable surfaces
- The motion detector will not operate correctly if it is installed:
  - j** Near the outlet of a central heating boiler
  - k** Near air conditioning plant
  - l** Pointing directly at moving vehicles
  - m** Within sight of reflections from moving water
  - n** Where other lamps could shine on the detector

BEFORE ATTEMPTING ANY INSTALLATION OR MAINTENANCE, ENSURE THAT THE ELECTRICAL SUPPLY IS SWITCHED OFF AND THE CIRCUIT FUSES REMOVED OR THE CIRCUIT BREAKER IS IN THE OFF POSITION. Please make sure the voltage and polarity are correct before connection. Incorrect voltage may cause electric shock. If you are not sure, please contact your retailer.

**Note: It is recommend to mount Smartguard™ Motion Light with Video Camera 6 – 7ft above the ground for optimum performance. See below figure for details of performance range.**

Detection range: 10M x 160° (see fig. 6)

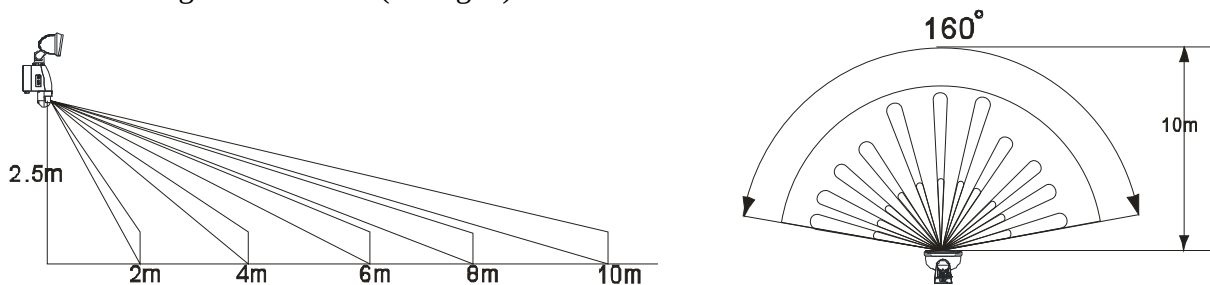


Fig. 6

## Installing your Smartguard™ Motion Light with Video Camera on surface. (see fig. 7 & fig. 8)

1. Place plastic masonry plugs (part no. %) into desired surface aligning holes as shown below. Using an electric screwdriver, fasten mounting plate directly to surface using screws E.
2. Feed the cable through the back mounting box and bush the cable entry to avoid abrasion to the cable.
3. Wire the unit as follows: (Ensure all wires are connected securely and that no loose strands are exposed)



4. Make sure the polarity is correct. Double check the connections after wiring. Errors may damage the motion sensor or cause a fire hazard.
5. Attach the unit to the mounting plate. You will first need to angle the unit back so that the catch at the top of the mounting plate fits into slot on the back of the unit. Next lower the unit until holes at the bottom of the mounting plate and unit are flush. Then screw (screw A) into this hole, tightening carefully.

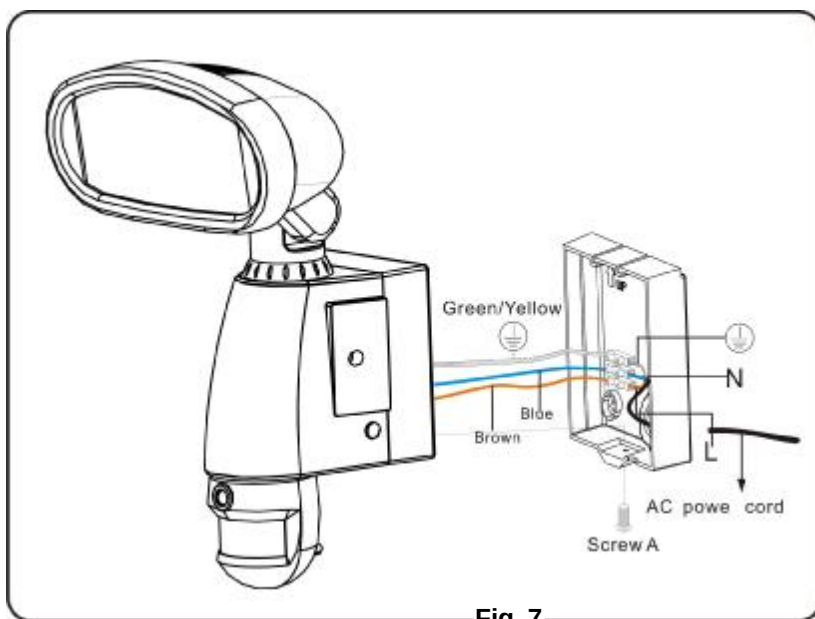


Fig. 7

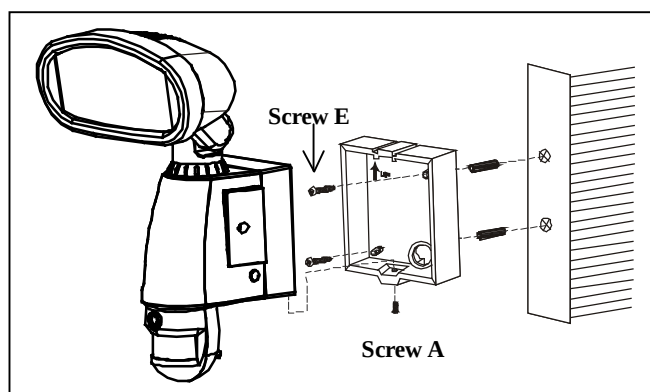
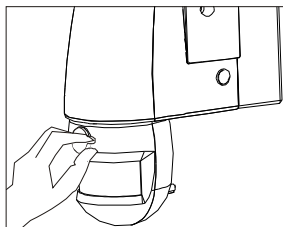


Fig. 8

Please allow 1 minute warm-up time after switching on.

**Remove plastic lens cover**  
(see fig. 9)



**from camera after installation.**

Fig. 9

## Step 6. Adjusting the Settings (see fig. 10~12)

- n Time control** : Turn the time control knob to “+” side to increase the illumination time (7 minutes max.), turn the control knob to “—” side to reduce the illumination time (30 seconds min.).

- n Sensitivity control** : Adjust the detector range of Passive Infrared Motion Sensor ( $\pm 2\text{M} \sim 10\text{M}$ )

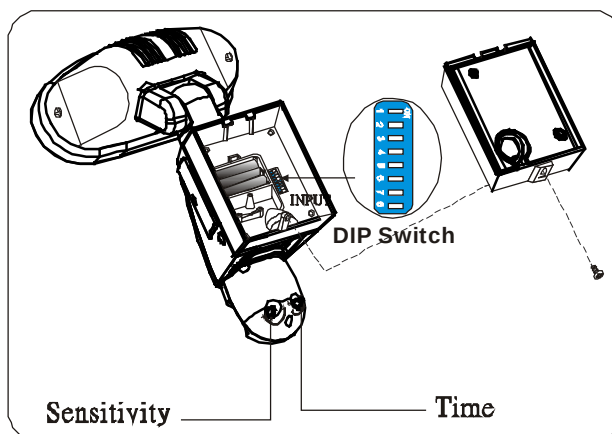


Fig. 10

- n Selecting working mode:**

**Mode 1:** Light + camera all day detection

- Daytime and nighttime: light and camera are all in operation

**Mode 2:** Light at night + camera all day

- Daytime: light is off, camera is on

- Nighttime: light is on, camera is on

- n Low Battery Indicator (hidden inside the lens)** : Red LED light will start to flash when the battery is running out of power. In this case, please be sure to replace the battery. If the battery is out of power, the next time there is a black out or power fluctuation, the system's date and time will be reset, and videos will not have correct date and time displayed.

- n LED indicator** : for indicating the function status of the unit by different color LED lights.

1) Red : SD card (part no. **k**) is not inserted into the SD slot or the system is malfunctioning.

2) Green : The unit is recording or USB is inserted and connecting with the computer

3) LED off: stand by ( SD card is inserted into the slot ) , when off/record button is pressed

\* Please note when off/record button is pressed, remove SD card (part no. **k**) within 30 seconds (now the LED will turn red after SD card is removed from the slot)

- n Reset button** : restore functions to default settings

1) Press RESET button once each time you turn on unit.

2) Please press this button in case of system malfunction.

- n Off/Rec** : Please press Off/Rec button to remove SD card (part no. **k**). Please remove card within 30 seconds of pressing the Off/Rec button to avoid loss of data.

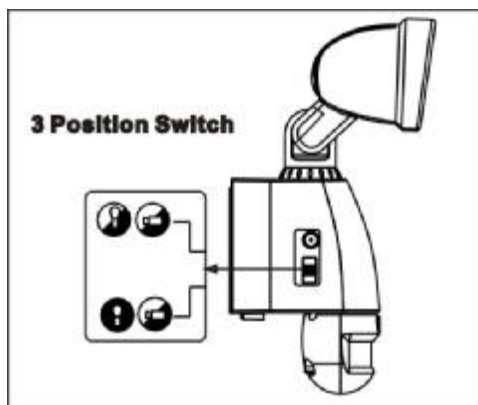


Fig. 11

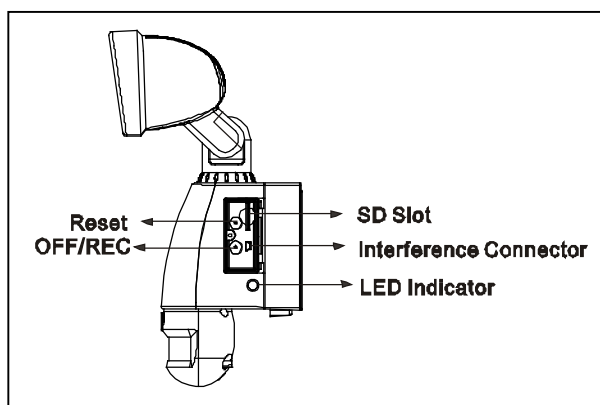


Fig. 12

## Step 7. Reviewing video

### 1. Viewing image by computer through a card reader (see fig. 13)

- n Open the waterproofed cover on the Smartguard™ Motion Light with Video Camera
- n Press OFF/REC button and remove SD card (part no. **k**) from the slot.
- n Put the SD card (part no. **k**) into a card reader, connect PC and card reader by USB cable and open the Smartguard™ application.

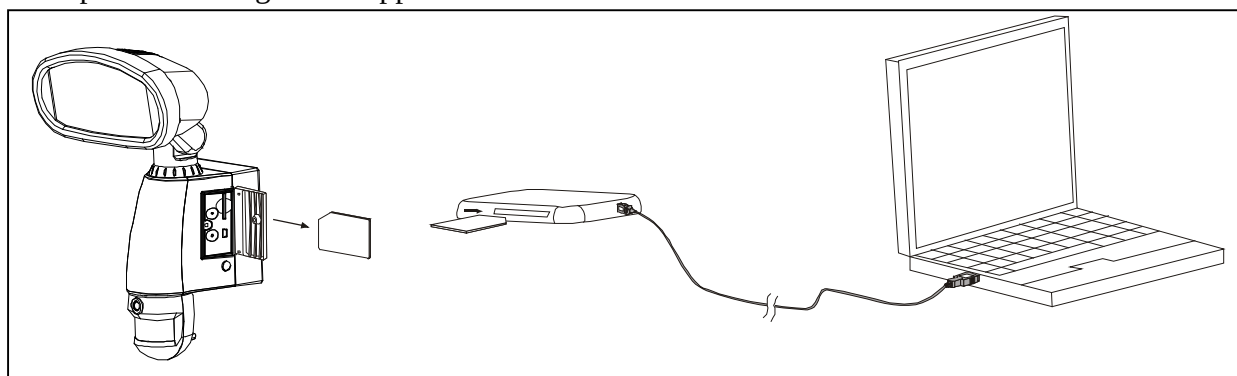


Fig. 13

### 2. Viewing real-time video from your Smartguard™. (see fig. 14)

You should install the provided driver, please refer to above DRIVER INSTALLATION

- n Using provided USB cable (part no. **o**) connects unit directly to computer when the unit's power is on.
- n Execute the provided software to watch real-time video from your Smartguard™ camera.

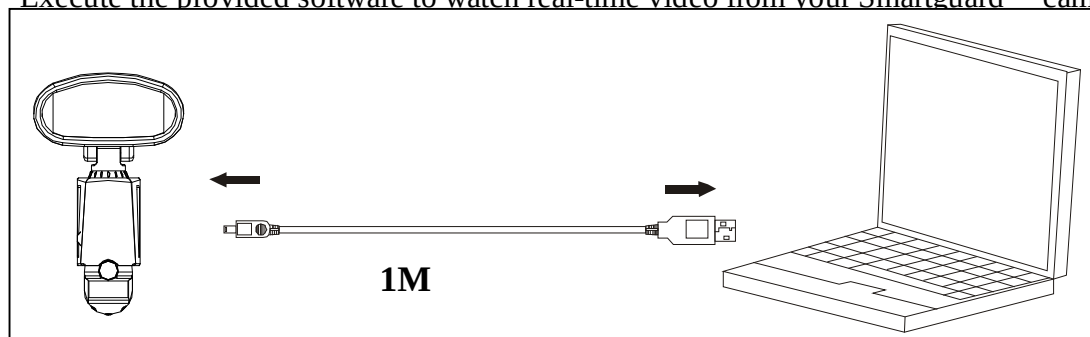


Fig. 14

## Technical Specifications

### 1. System Requirements and Compatibility :

- n** Windows 98/98SE/2000/ME/XP.
- n** Pentium III 450MHz or equivalent processor.
- n** 128MB SDRAM or above.
- n** VGA image Card with 32MB RAM for minimum, Color 16bit or higher.
- n** CDROM driver and USB Port are available.
- n** 2.5GB free hard disc space.
- n** If you have any questions regarding your PC specifications please call your PC manufacturer.

## **2. Features and specification :**

- n** PIR detection angle 160 Deg and detection range up to 10M
- n** Records 20 seconds image recording for image stream : 10fps at 480\*640 Pixels
- n** Built in 1G SDRAM for image buffer and image storage
- n** Built in SD card slot for SD memory card
- n** SD card slot for additional storage, max memory size up to 2G
- n** SD card spec.: FAT
- n** Automatic exposure control, white balance and sharpness
- n** Auto Date & Time stamp
- n** Effective viewing angle : 43 deg
- n** Effective viewing distance: 7.32M
- n** Built in mini USB plug for PC access
- n** Interface type: USB 1.1
- n** Image format: JPEG AVI File
- n** Powered by AC 100V to 240V ( subject to requirement )
- n** Halogen tube 150W
- n** Auto light sensor
- n** Sensitivity control
- n** Floodlight time delay control
- n** Product measurements : (L) 180 x (W)163 x (H)314mm. Weight: 1.17kgs
- n** Battery: 1.5V “AAA” x 3pcs

## **General Information and safety**

### **Special care instructions!!!**

- I** The Smartguard™ Motion Light with Video Camera is designed to be weather resistant. Never attempt to immerse the unit in water or any other liquid. This will damage the unit and void the warranty.
- I** This product is designed to illuminate, video, and make verbal announcements. It will not prevent the commission of any act, legal or illegal. The manufacturer assumes no liability for any damage to property, injury to person, or death.
- I** Use a soft lens cloth for cleaning lens. Avoid touching lens with fingers.
- I** Remove dirt or stains with a soft cloth dampened with water or neutral detergent. Keep the Smartguard™ Motion Light with Video Camera in a dry and cool dust-free environment or container when it is NOT used
- I** Do not open the Smartguard™ Motion Light with Video Camera for unauthorized service. This could cause serious damage to the unit and will void the warranty.
- I** This Smartguard™ Motion Light with Video Camera is a precision electronic device. Do not attempt to service this camera yourself, as opening or removing covers may expose you to the danger of electric shock or other risks.
- I** To avoid risk of burns due to high temperature do not touch the floodlight when it is turned on.

**CAUTION!!!**

